

1 **Claims**

2 I/We claim:

- 3 1. An adjuster for attaching a string to the bridge of a stringed instrument, said adjuster
4 comprising:
- 5 a) a saddle with first and second opposing ends and a longitudinal axis passing
6 through said ends, having a protruding fulcrum extending perpendicular to said
7 longitudinal axis, and said saddle defining a string groove adapted to receive the
8 string proximate said first end;
- 9 b) an anvil, defining a pivot groove adapted to receive said fulcrum; and
10 c) means for adjusting the relative angle of said anvil and said saddle about said
11 fulcrum, whereby the distance from said string groove to said anvil is varied.
- 12 2. The adjuster of claim 1 wherein said fulcrum extends the full width of the saddle and
13 said pivot groove extends the full width of the anvil.
- 14 3. The adjuster of claim 1 wherein each of said fulcrum and said pivot groove comprises an
15 arcuate section with substantially equal radii.
- 16 4. The adjuster of claim 1 wherein said string groove comprises a semi-circular region
17 having a radius substantially equal to the radius of the string.
- 18 5. The adjuster of claim 1 wherein said saddle further defines a clearance slot therethrough
19 in a plane substantially parallel to said longitudinal axis adapted to allow passage of the
20 string.
- 21 6. The adjuster of claim 5 wherein said anvil further defines a clearance slot therethrough
22 adapted to allow passage of the string, said anvil clearance slot substantially aligned
23 with said saddle clearance slot when said fulcrum is positioned in said pivot groove.

- 1 7. The adjuster of claim 1 wherein said means for adjusting comprises an adjusting screw
2 passing through said saddle proximate said second end and threadedly engaging said
3 anvil.
- 4 8. An adjuster for attaching a string to the bridge of a stringed instrument, said adjuster
5 comprising:
 - 6 a) a saddle, and said saddle defining a lateral pivot groove, a string groove adapted to
7 receive the string proximate a first end of said saddle, and a clearance slot;
 - 8 b) an anvil with a longitudinal axis, having a protruding fulcrum extending perpendicular
9 to said longitudinal axis adapted to fit said pivot groove; and
 - 10 c) an adjusting screw interconnecting said anvil and said saddle proximate a second,
11 opposite end of said saddle, for pivoting said anvil and said saddle about said
12 fulcrum, whereby the distance from said string groove to said anvil is varied.
- 13 9. An adjustable bridge for an instrument having plural strings, said bridge comprising:
 - 14 a) base plate connectable to the body of the instrument;
 - 15 b) plural adjusters, one for each string, each comprising:
 - 16 i) an anvil,
 - 17 ii) a saddle, pivotally supported by said anvil and defining a string groove
18 adapted to receive the string; and
 - 19 iii) means for adjusting the relative angle of said anvil and said saddle about
20 said pivot whereby the distance between said string groove and said anvil
21 can be varied.
 - 22 c) plural length adjusting screws, one connecting each of said adjusters to a section
23 of said base plate, whereby rotation of said screws relative to said adjusters
24 moves said adjusters toward or away from said base plate section to separately
25 adjust the length of each string.

